

# PATENT ABSTRACTS OF JAPAN

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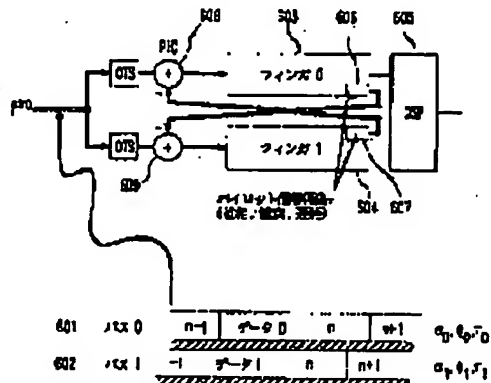
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(57)Abstract:

**PROBLEM TO BE SOLVED:** To improve performance by preventing interference to a multipath caused by a pilot signal by removing the pilot signal of multipath component, which causes the interference of base band received signal, by reconstituting it as prescribed and adding/subtracting that signal later.

**SOLUTION:** A signal  $r_0$  of path 0 and a signal  $r_1$  of path 1 in received decoding signals  $r(n)$  are respectively processed by an on-time selector circuit OTS and inputted to RAKE fingers 603 and 604 later. In this case, pilot reconstitution circuits 606 and 607 are reconstituting pilot signals through predicted attenuation, phase and path delay are respectively added to the fingers 603 and 604, the pilot signal from the path 0 is reconstituted, subtracted from the signal of path 1 by an adder 609 and removed. Similarly, the pilot signal reconstituted from the path 1 is subtracted from the signal of path 0 by an adder circuit 608 and removed and afterwards, the signals are respectively exactly demodulated by fingers 0 and 1 and bit-determined or processed by a viterbi decoder 605.



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